File Names

File #	Original File Name
1	EPA_SS_FRESNO_RP8400N2_10MIN_20040101_20040630_V1.csv

Dataset Key Phrases

Data Exchange Standard Version	Principal Investigator Name--last first	Principal Investigator Affiliation	File Contents Description--short long	Samplng Interval As Reported in Main Table
NARSTO 2002/05/28 (2.301)	Watson ; Dr. John	Desert Research Institute, 2215 Raggio Pkwy, Reno, NV 89512, USA	NO3_8400N2_10MN ; Ambient Particulate Nitrate Concentrations obtained by flash volitalization and decomposition using a 2.5um cyclone	10 minute

Samplng Frequency Of Data in Main Table	Quality Control Level	Organization Acronym	Organization Name	Data Usage Acknowledgement	Study Or Network Acronym
Same as sampling interval	1	EPA/NOAA/CARB	EPA/NOAA/CARB Long Term Monitoring--Fresno	Desert Research Institute, 2215 Raggio Pkwy, Reno, NV 89512, USA	EPA_SS_FRESNO

Study Or Network Name	Country Code	State Or Province Code	Principal Investigator Contact Information	Co-investigator Name--last first	Co-investigator Affiliation
EPA/NOAA/CARB PM Supersites--Fresno	US	CA	Dr. John G. Watson, Desert Research Institute, 2215 Raggio Pkwy, Reno, NV 89512, USA	None ; None	None

Name And Affiliation Of Person Who Generated This File	Date Of Last Modification To Data In Main Table	Name And Version Of Software Used To Create This File
Norm Robinson, DRI	2004/12/22	MS VB.Net; MS SQL Server 2000

Companion File Name format And Version	Date This File Generated archive Version Number	Table Explanation Of Zero Or Negative Values	Table Explanation Of Reported Detection Limit Values
None ; None	2005/08/08 ; 1	Zero and negative values occur during clean atmospheric conditions when concentrations are below detection limits or near the instrument zero.	Detection limits are currently being evaluated.

Table Explanation Of Reported Uncertainty	Table User Note	Table User Note2	Table User Note3	Table User Note4	Table Name	Table Focus
See *TABLE USER NOTE2	Particulate Nitrate 10 minute concentrations	Uncertainty is not reported in this file. The final Project Report will discuss uncertainty in more depth.			NO3_8400N2_10MN	Surface--fixed

Site Information

Site ID	Name	State Province code	Latitude: decimal degree	Longitude: decimal degree	Sampling height above ground (m)	Ground elevation above sea level (m)
ES2FUSCAFSF_	3425 N First St Fresno	CA	36.78167	-119.77333	12.2	90.2

Site ID	Site land use	Site location setting	Measurement start date	Measurement end date	Co-incident measurements	Study site ID	Lat lon accuracy
ES2FUSCAFSF_	Commercial	Urban and center city	1999/05/01	9999/12/31	N	N	-999.9

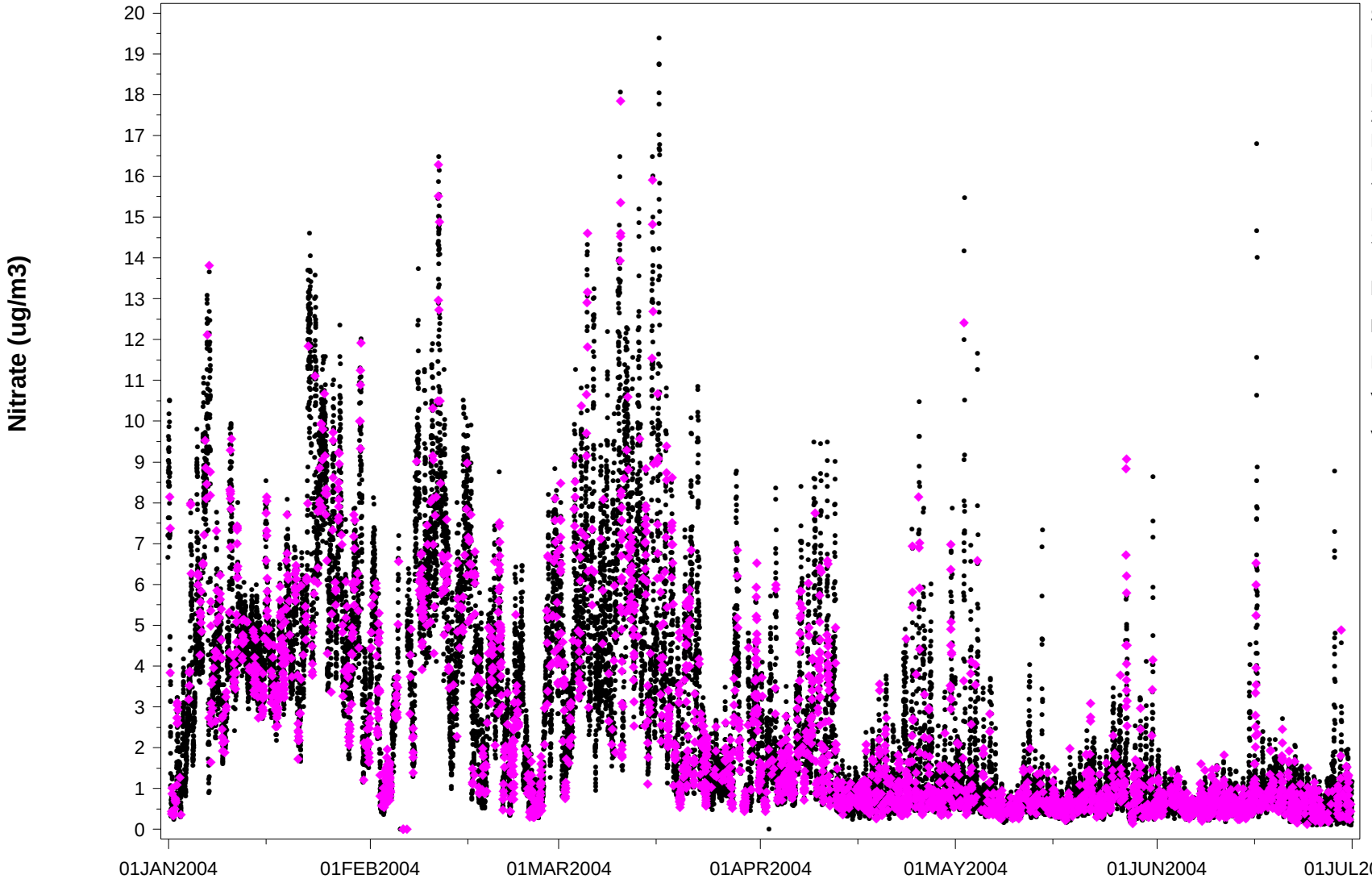
NARSTO Standard Flags

Flag: NARSTO	Description
H1	Historical data that have not been assessed or validated
M1	Missing value because no value is available
M2	Missing value because invalidated by data originator
V0	Valid value
V1	Valid value but comprised wholly or partially of below detection limit data
V2	Valid estimated value
V3	Valid interpolated value
V4	Valid value despite failing to meet some QC or statistical criteria
V5	Valid value but qualified because of possible contamination (e.g., pollution source, laboratory contamination source)
V6	Valid value but qualified due to non-standard sampling conditions (e.g., instrument malfunction, sample handling)
V7	Valid value but set equal to the detection limit (DL) because the measured value was below the DL

NARSTO Time Series Plot **24AUG2006**

Site ID: **ES2FUSCAFSF_** Instrument co-location ID: **C1** Variable name: **Nitrate** Units: **ug/m3** Sampling interval: **10 minute**
Sampling frequency: **Same as sampling interval** CAS ID: **C14797-55-8** Observation type: **Particles** Particle diameter--lower bound (UM): **Undetermined**
Particle diameter--upper bound (UM): **2.5** Field sampling or measurement principle: **Automated particulate nitrate monitor**
Medium: **Impaction surface** Inlet type: **Cyclone** Sampling humidity or temperature control: **Humidification**
Volume standardization: **Ambient temperature and pressure** Sampling Height above ground (m): **10.8**
Instrument name and model number: **R+P, Model R+P8400N Ambient Nitrate Monitor** Detection Limit: **Undetermined**

Site Name:**3425 N First St Fresno, California** Latitude:**36.78167 deg.** Longitude:**-119.77333 deg.** Start Date:**1999-05-01**



Statistics
Number of obs: **26,208**
Number of missing: **461**
Minimum: **0**
25th Percentile: **0.7**
Median: **1.54**
Mean: **2.789**
75th Percentile: **4.33**
Maximum: **19.38**
Stnd Dev.: **2.740**

NARSTO Flags

Flag Symbol	Count
M1:	**461**
V0: ●	**22,305**
V4: ◆	**3,442**

Time Zone: PST

File Name: NARSTO_EPA_SS_FRESNO_RP8400N2_10MIN_20040101_20040630_V1